



# X-ray Inspection systems for washdown and economy applications

In addition to its IX-GA X-ray inspection systems, Ishida now offers models for sanitary washdown and entry-level applications

## Washdown X-ray

Built to IP69K standards for high-pressure washdown applications, Ishida DK X-ray systems feature multiple inspection functions to accurately detect all metals, glass, bone, rock, shell, plastics and missing or defective product. Ishida's proprietary Genetic Algorithm image processing technology automatically produces the optimal sensitivity setting without expensive, customized software. For reliable operation, an integrated hermetical water cooling system is standard.

## Economical X-ray

For entry-level inspection, Ishida's new EA-series X-ray system provides accurate, affordable detection of foreign contaminants. Package masking functions cancel out peripheral areas of cartons, bag seals and package retaining clips. Sensitivity is adjustable using the full-color touch screen.



## Efficient inspection

Ishida X-ray systems are available for a variety of applications, including large cartons. Detection accuracy is unaffected by product temperature, salt and water content. Rapid machine warm-up provides quick production start-ups. Setup is automatic and no routine calibration is required. To facilitate thorough cleaning, conveyors and belts are easily removed without using tools.

## One call delivers

Complete sales, product demonstrations, service, parts and training for Ishida X-ray systems, checkweighers, weighers and snack bagmakers throughout North and South America are provided by Heat and Control, Inc.

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# The world's first and only multi-spectrum metal detector improves inspection efficiency



Utilizing patent-pending technology, the new CEIA THS\MS 21 Multi-Spectrum metal detector prevents product effect errors with no reduction in sensitivity.

MS 21 inspection accuracy minimizes the possibility of recalls caused by metal contamination. At the same time, it reduces costs of product waste, labor and maintenance by using technology that is unavailable in any other metal detector:

## Multi-spectrum detection

Using a broader detection frequency range, the MS 21 achieves the industry's highest sensitivity to all ferrous and non-ferrous metals, including stainless steel.

## Continuous self-calibration

The MS 21 continually tests and recalibrates itself to constantly deliver the highest detection stability and performance.

## Simple operation

Proprietary AutoLearn technology reduces delays and errors in the set-up of new products. CEIA's simple control system stores settings for 500 products and directly recalls frequently used functions to provide fast, accurate product changeovers.

## FDA Title 21 CFR part 11 compliant

Provides maximum inspection security and traceability.



## Bluetooth connectivity

Permits remote programming, monitoring and downloading of detection data. Labor costs are reduced by eliminating the need to access the interior of the detector to perform these functions.

## Reduced maintenance

CEIA's internal evaluation technology eliminates the need to use external instruments to measure the mechanical and environmental electromagnetic compatibility of the installation, and the degree of metal interference from the product conveyor belt. Benefit: Reduced labor costs and downtime.

## Quality construction

ISO 9001 certified and HACCP compliant. IP69 and IP69K construction for washdown environments. Water-resistant conformal coated circuit boards.

## Safety for all products

CEIA builds MS 21 metal detectors in configurations for most every product, include dry, wet, pumped, conveyed, and free-falling.

## One call delivers

Complete sales, product demonstrations, service, parts and training for CEIA metal detectors throughout North and South America are provided by Heat and Control, Inc.

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